

MultiPark Retreat 2023 Programme
28-29 November 2023, Elite Hotel Ideon Lund



28 November	
9:00-9:10	<p>Welcome address</p> <p>Angela Cenci Nilsson, Professor of Experimental Medical Research, Lund University, and Coordinator of MultiPark</p>
9:10-10:00	<p>Keynote lecture (Chair: Angela Cenci Nilsson)</p> <p>“Neuroinflammation in Parkinson disease“</p> <p>Etienne Hirsch, Professor of Neuroscience, INSERM & Institute of Brain and spinal cord (ICM), France</p>
10:00-10:30	Coffee break & <i>put up posters</i>
10:30-10:40	<p>Different ways to reach out with your research (Chair: Ayesha Fawad)</p> <p>Martina Svensson</p>
10:40-10:50	<p>Machine learning opportunities for MultiPark project (Chair: Ayesha Fawad)</p> <p>Pär Halje</p>
10:50-11:40	<p>Data Blitz presentations: (Chair: Ayesha Fawad)</p> <p>“Investigation of calcium phenotypes in neurons carrying RHOT1 mutations” Anna Bartalis, RU</p> <p>“Effects of time of the day at sampling on CSF and plasma levels of Alzheimer’s Disease biomarkers” Anna Orduña Dolado, LU</p> <p>“The transcriptional landscape of pericytes in acute ischemic stroke” Carolina Buizza, LU</p> <p>“Investigating a gene regulatory network and trajectory for parvalbumin interneurons” Christina-Anastasia Stamouli, LU</p> <p>“Functional analysis of membrane contact sites in neurodegenerative diseases” Dajana Großmann, RU</p>
11:45-13:00	Lunch

13:00-13:10	<p>Presentation of a new transgenic rodent resource (Chair: Linda Eliasson)</p> <p>Kasper Bonderup</p>
13:10-14:00	<p>Presentation of seed-funding projects 2022: (Chair: Linda Eliasson)</p> <p>“Methodological development for a self-healing brain for neurological disorders – Novel approach to address human glia cells phenotypic heterogeneity during reprogramming” Oxana Klementieva</p> <p>“Cell-specific polygenic risk scores are associated with Aβ and tau biomarkers in Alzheimer’s disease” Atul Kumar</p>
14:00-15:00	<p>Data Blitz presentations: (Chair: Ayesha Fawad)</p> <p>“Okinawa-based Nordic diet decreases plasma GFAP levels in Type 2 Diabetes patients” Dovile Poceviciute, LU</p> <p>“Co-graft of dopamine progenitors and supporting cells to enhance cell-based therapy for Parkinson’s disease” Edoardo Sozzi, LU</p> <p>“Whole exome sequencing of 67 Swedish Parkinson patients identifies a family with VPS35 D620N” Efthymia Kafantari, LU</p> <p>“Establishing an experimental sgRNA expression screening assay for CRISPR activation in vitro” Elin Arvidsson, LU</p> <p>“The effect of APOE genotype on endolysosomal dynamics in neurons” Emma Nyberg, LU</p> <p>“Selective inhibition of soluble tumor necrosis factor in an alpha-synuclein-induced in vivo model for Parkinson’s disease” Filip Bäckström, LU</p>
15:00-15:30	Coffee break
15:30-16:30	<p>Interactive panel discussion on the topic: “How can we better bring the clinical and experimental worlds of MultiPark together” (Chair: Gunnar Gouras)</p> <p>Panel: Per Odin, Oxana Klementieva, Gesine Paul-Visse</p>
16:30-18:30	Poster session
19:00-21:00	Dinner, <i>with entertainment by Henrik Widegren</i>

29 November	
9:00-9:45	<p>Lectures from United Neuroscience Campus Rostock: (Chair: Stina Bladh Jonasson)</p> <p>“Cellular hippocampal pathology in temporal lobe epilepsy” Prof. Thomas Freiman, University Medicine Rostock</p> <p>“Lewy body dementia and Alzheimer's disease” Dr. Julia Schumacher, German Center for Neurodegenerative Diseases</p> <p>“Machine Learning and Data Science” Prof. Martin Becker, University of Rostock</p>
9:45-10:30	<p>Keynote lecture (Chair: Angela Cenci Nilsson)</p> <p>“Decoding selective vulnerability in ALS, focused on dissecting early effects of different ALS mutations in motor neurons and interneurons”</p> <p>Eva Hedlund, Professor in Neurochemistry, Stockholm University</p>
10:30-11:00	Coffee break
11:00-12:00	<p>Data Blitz presentations: (Chair: Stina Bladh Jonasson)</p> <p>“Impaired oligodendrogenesis in the white matter of aged mice following diffuse traumatic brain injury” Georgios Michalettos, LU</p> <p>“Patient-derived dopamine neurons for autologous cell replacement therapy for Parkinson's disease” Jana Bonsberger, LU</p> <p>“Disorder of bulk lipid transfer? Lipid composition and distribution in cellular models of VPS13A disease” Kevin Peikert, LU</p> <p>“Cerebrospinal fluid reference proteins increase accuracy and interpretability of biomarkers for brain diseases” Linda Karlsson, LU</p> <p>“Unravelling the role of microglia in neuroinflammation and tau pathology” Lluís Camprubí Ferrer, LU</p> <p>“Anterior Cingulate Sulcation in Frontotemporal Dementia” Luke Harper, LU</p>
12:00-13:15	Lunch & <i>take down posters</i>

13:15-14:30	<p>Data Blitz presentations: (Chair: Stina Bladh Jonasson)</p> <p>“The glymphatic system in a mouse model of heart failure” Marios Kritsilis, LU</p> <p>“A novel solubility assay for amyloid β peptides” Max Lindberg, LU</p> <p>“A Tale of Two Diseases: How TDP-43 Connects ALS and Frontotemporal dementia” Sofia Bergh, LU</p> <p>“Uncovering distinct spatial-temporal trajectories of Lewy-type α-synuclein pathology” Sophie Mastenbroek, LU</p> <p>“Cerebrospinal fluid pathways are perturbed in prodromal Alzheimer’s disease” Tekla Kylkilahti, LU</p> <p>“Glutamatergic Argonaute2 controls retina development” Yunxiao Li, RU</p>
14:30-15:00	<p>Liquorice and Chocolate (Chair: Linda Eliasson)</p> <p>Martin Jørgensen, entrepreneur and founder</p>
15:00-15:30	<p>Coffee break <i>with a surprise</i></p>
15:30-15:45	<p>Innovation opportunities (Chair: Angela Cenci Nilsson)</p> <p>LU Innovation – we are here to help you!</p> <p>Lars Svensson, LU Innovation, and Daniella Ottosson, MultiPark Innovation Group</p>
15:45-16:20	<p>Awards for best poster and best oral presentations, and closing remarks</p> <p>Angela Cenci Nilsson</p>

Organising committee: Linda Eliasson, Gunnar Gouras, Marios Kritsilis, Ayesha Fawad, Stina Bladh Jonasson, Luke Harper, Maria Jacobsson